



Water-Data Report CA-2005

## 11267350 BIG CREEK DIVERSION NEAR FISH CAMP, CA

San Joaquin River Basin

LOCATION.--Lat 37°28'10", long 119°36'51" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.25, T.5 S., R.21 E., Mariposa County, Hydrologic Unit 18040008, Sierra National Forest, on right bank, 0.5 mi downstream from diversion weir, 0.5 mi upstream from Rainier Creek, and 1.2 mi southeast of Fish Camp.

### **WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--October 1969 to June 1977, April 1987 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and culvert control. Elevation of gage is 5,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for March 21 to May 2 and estimated daily discharges, which are poor. Flow is diverted from the left bank of Big Creek, a tributary to South Fork of the Merced River, to Lewis Fork of the Fresno River. Flow is used for domestic and irrigation purposes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 66 ft<sup>3</sup>/s, June 1, 2, 1975; no flow for several days in summer months of most years.

**11267350 BIG CREEK DIVERSION NEAR FISH CAMP, CA—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.01	0.0	e0.20	e7.0	e19	24	44	37	45	36	1.6	3.0
<b>2</b>	0.16	e0.30	e3.0	e9.0	e19	24	36	37	44	35	1.6	3.0
<b>3</b>	0.44	0.0	e7.0	e8.0	e18	24	35	e39	44	35	1.5	2.9
<b>4</b>	0.43	0.0	e6.5	e7.0	e18	23	35	e40	44	33	1.6	2.9
<b>5</b>	0.42	e0.10	e6.0	e7.0	e18	23	35	e42	44	32	1.6	2.9
<b>6</b>	0.28	e0.30	e5.5	e7.0	e18	24	36	e24	43	31	1.6	2.9
<b>7</b>	0.09	0.0	e6.5	e7.5	e17	26	36	e14	42	29	1.6	2.7
<b>8</b>	0.08	0.0	e7.0	e9.0	e16	30	35	e13	42	28	1.6	2.7
<b>9</b>	0.07	0.0	e5.5	e16	e16	35	35	e12	41	26	1.6	2.8
<b>10</b>	0.06	0.0	e5.0	e24	16	41	35	e12	41	24	1.6	e2.9
<b>11</b>	0.06	0.0	e6.5	e30	17	44	35	e12	41	23	2.1	e2.9
<b>12</b>	0.06	0.0	7.5	e26	25	46	35	e12	41	21	3.4	e2.9
<b>13</b>	0.05	e0.10	7.2	e19	24	48	35	e11	41	20	3.4	e2.8
<b>14</b>	0.05	0.22	7.1	e16	22	48	35	e10	42	19	3.3	2.7
<b>15</b>	0.04	0.20	7.0	e15	28	44	35	e10	42	8.9	3.4	2.6
<b>16</b>	0.04	0.17	7.0	e14	47	42	36	e9.5	41	1.1	3.3	2.6
<b>17</b>	0.21	0.16	6.8	e13	42	39	36	e9.0	41	1.2	3.3	2.5
<b>18</b>	0.06	0.16	6.7	e13	35	37	36	e8.5	40	1.3	3.2	2.5
<b>19</b>	0.30	0.14	6.7	e14	32	43	36	e9.0	40	1.2	3.1	2.5
<b>20</b>	0.30	0.14	6.8	e15	30	44	36	e8.5	41	1.2	3.1	2.5
<b>21</b>	0.02	0.14	6.7	e15	34	41	35	e8.4	40	1.2	3.0	3.1
<b>22</b>	0.0	0.10	e6.0	e15	32	53	36	e8.3	39	1.2	3.0	2.7
<b>23</b>	0.0	0.06	e5.5	e16	28	57	36	e8.3	39	1.3	3.0	2.5
<b>24</b>	0.0	0.05	e5.6	e19	26	55	36	e8.2	39	1.1	3.0	2.4
<b>25</b>	0.0	0.03	e5.8	e24	25	56	36	e8.2	38	1.2	2.9	2.4
<b>26</b>	0.02	0.02	e5.7	e38	24	54	36	e26	38	1.3	2.9	2.4
<b>27</b>	0.0	0.15	e6.6	e31	23	54	36	47	38	1.3	2.8	2.4
<b>28</b>	0.03	0.32	e8.1	e26	24	53	36	46	38	1.3	2.8	2.3
<b>29</b>	0.0	e0.15	7.3	e23	---	51	37	46	37	1.3	2.7	2.3
<b>30</b>	0.0	e0.20	5.8	e21	---	50	37	45	37	1.4	2.7	2.3
<b>31</b>	0.0	---	4.8	e20	---	51	---	45	---	1.7	2.8	---
<b>Total</b>	3.28	3.21	189.40	524.5	693	1,284	1,078	665.9	1,223	421.2	79.1	80.0
<b>Mean</b>	0.11	0.11	6.11	16.9	24.8	41.4	35.9	21.5	40.8	13.6	2.55	2.67
<b>Max</b>	0.44	0.32	8.1	38	47	57	44	47	45	36	3.4	3.1
<b>Min</b>	0.00	0.00	0.20	7.0	16	23	35	8.2	37	1.1	1.5	2.3
<b>Ac-ft</b>	6.5	6.4	376	1,040	1,370	2,550	2,140	1,320	2,430	835	157	159

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	1.23	3.68	6.43	8.27	10.4	18.0	23.7	28.3	17.8	4.21	0.94	0.80
<b>Max</b>	7.61	11.9	31.3	35.8	32.7	41.4	43.3	56.2	58.0	22.3	3.14	3.46
(WY)	(1970)	(1997)	(1997)	(1970)	(1970)	(2005)	(1993)	(1975)	(1998)	(1998)	(1973)	(1995)
<b>Min</b>	0.03	0.11	0.75	0.76	0.19	0.32	3.21	2.65	0.02	0.52	0.02	0.00
(WY)	(1989)	(2005)	(1991)	(1996)	(1997)	(1996)	(1995)	(1995)	(1995)	(1995)	(1988)	(1987)

**11267350 BIG CREEK DIVERSION NEAR FISH CAMP, CA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2004</b>	<b>Water Year 2005</b>	<b>Water Years 1970 - 2005</b>
<b>Annual total</b>	2,534.60	6,244.59	
<b>Annual mean</b>	6.93	17.1	10.8
<b>Highest annual mean</b>			19.3
<b>Lowest annual mean</b>			3.67
<b>Highest daily mean</b>	28 May 4	57 Mar 23	66 Jun 1, 1975
<b>Lowest daily mean</b>	0.00 Jul 24	0.00 Oct 22	0.00 Jul 1, 1973
<b>Annual seven-day minimum</b>	0.00 Aug 10	0.01 Oct 21	0.00 Aug 1, 1987
<b>Annual runoff (ac-ft)</b>	5,030	12,390	7,790
<b>10 percent exceeds</b>	19	42	34
<b>50 percent exceeds</b>	4.9	8.9	4.2
<b>90 percent exceeds</b>	0.00	0.10	0.20

